1-1735446-0 ✔ ACTIVE

TE Internal #: 1-1735446-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, Natural

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > AMP HPI 2.0 mm Headers



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

All AMP HPI 2.0 mm Headers (206)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Bright
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2.03 µm[79.92 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	3.35 mm[.131 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.4 mm[.134 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Locking
Mating Retention	With
PCB Mount Retention Type	Retention Solder Tails
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Width	4.7 mm[.185 in]

PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .063 in]
Connector Height	6.07 mm[.239 in]
Connector Length	22 mm[.866 in]

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 240°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 1-1735447-0
HPI 2.0 RECEPTACLE HOUSING, 10P

Customers Also Bought



TE Part #5179031-3
0.8FH,P08H.5,080,08/Sn,TU



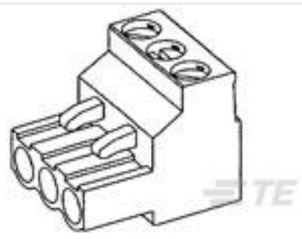
TE Part #1-1735446-4
2MM PITCH HPI POST HEADER, VERTICAL, 14P



TE Part #1-640389-0
10P MTA156 HDR ASSY SQ R/A F/L



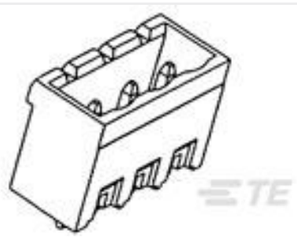
TE Part #284514-5
5 POS TERMI-BLOK HDR DIR. POL.



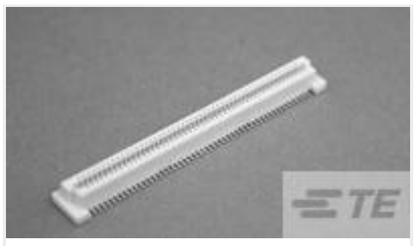
TE Part #796640-5
5 POS 5.0 MM R/A PLUG,TRM BLK



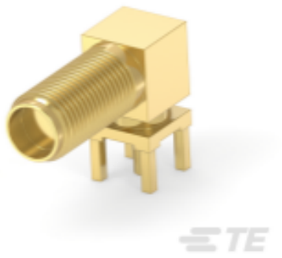
TE Part #9-103325-0
40 MODII HD SRRA B/A .100CL,LF



TE Part #796642-6
6POS 5.0MM CE VRT HDR,TRM BLK



TE Part #5-1735480-3
0.8FH,R17H.5,080,08/Sn,TU



TE Part #2081679-1
SMA JACK RECEPTACLE,PCB,RIGHT ANGLE,6GHZ

Documents

Product Drawings

2MM PITCH HPI POST HEADER, VERTICAL, 10P

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1735446-0_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1735446-0_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1735446-0_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

HPI Connectors QRG

English

Product Specifications

Application Specification

English